



Docket No.: 1046.1206

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Satoshi KUROYANAGI, et.al.

Serial No. 09/467,972

Group Art Unit: 2633

Confirmation No. 3079

Filed: December 21, 1999

Examiner: Reza Sedighian

For: OPTICAL PATH CROSSCONNECT SYSTEM WITH HIGH EXPANDING
CHARACTERISTIC

LETTER TO THE EXAMINER SUBMITTING
FORMAL DRAWINGS

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

ATTENTION: OFFICIAL DRAFTSPERSON

Sir:

In accordance with the requirement in the Notice of Allowance mailed February 23, 2004, wherein the Examiner required that formal drawings (replacement sheets) be filed, applicants herewith submit 5 sheets of formal drawings for FIGs. 6, 7, 10, 11 and 15 for filing in the subject application.

It is respectfully requested that the formal drawings filed herewith be entered in the above-referenced application.

Respectfully submitted,

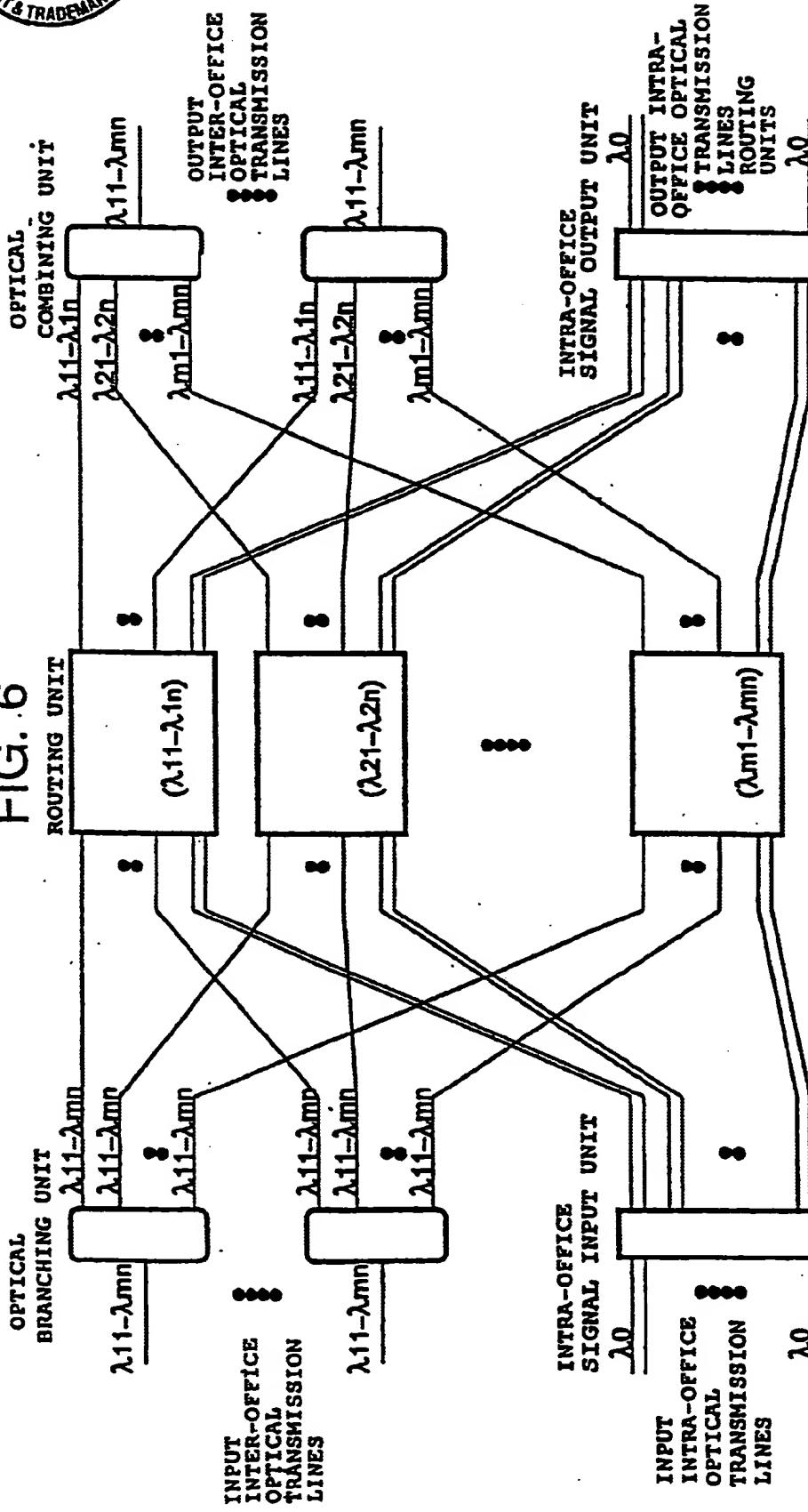
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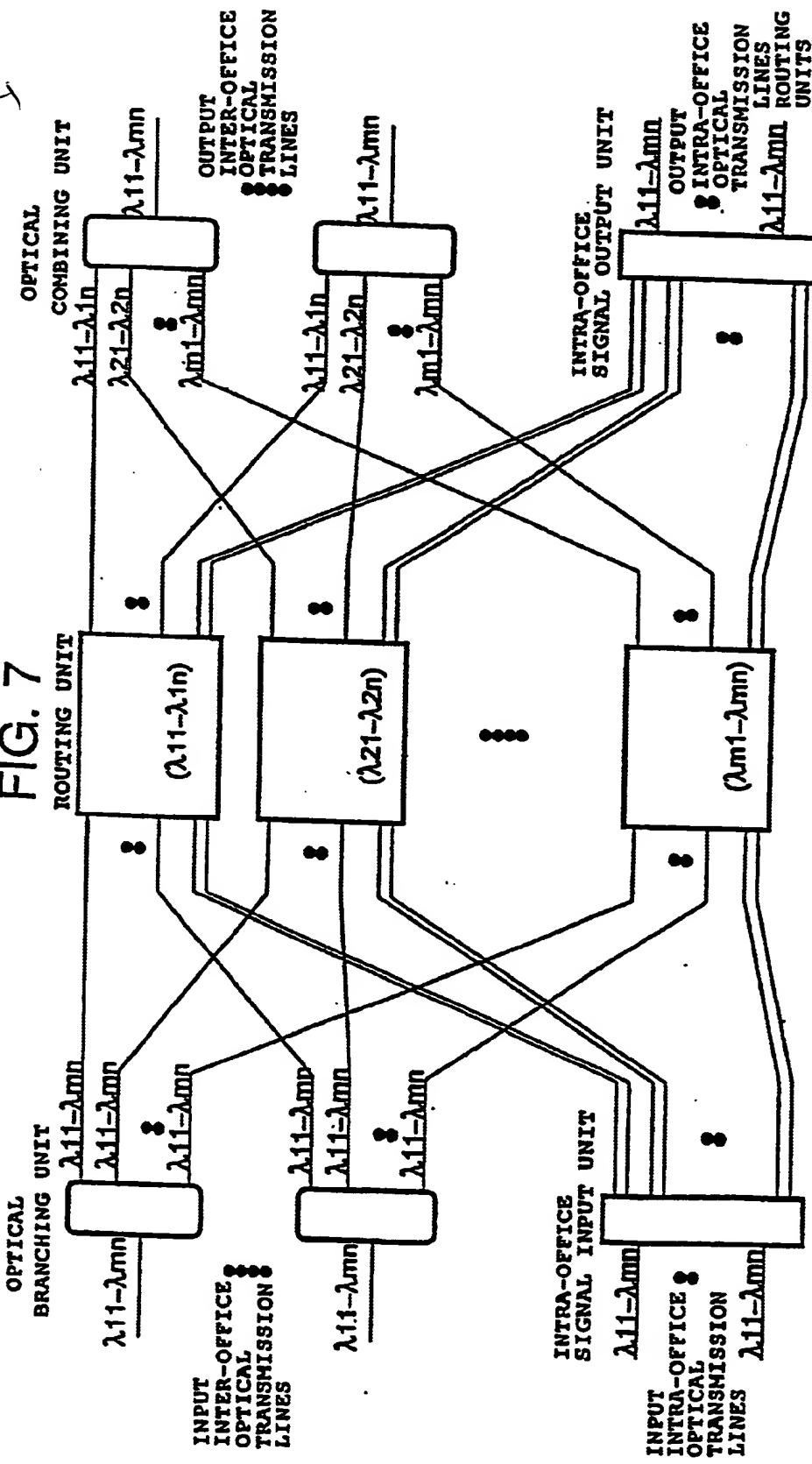
FIG. 6



* SUBDIVIDED INTO "m" PIECES OF ROUTING UNITS
 * IN UNIT OF "N" WAVELENGTHS
 * PROVIDED WITH WAVELENGTH CONVERTER EACH OF THE RESPECTIVE



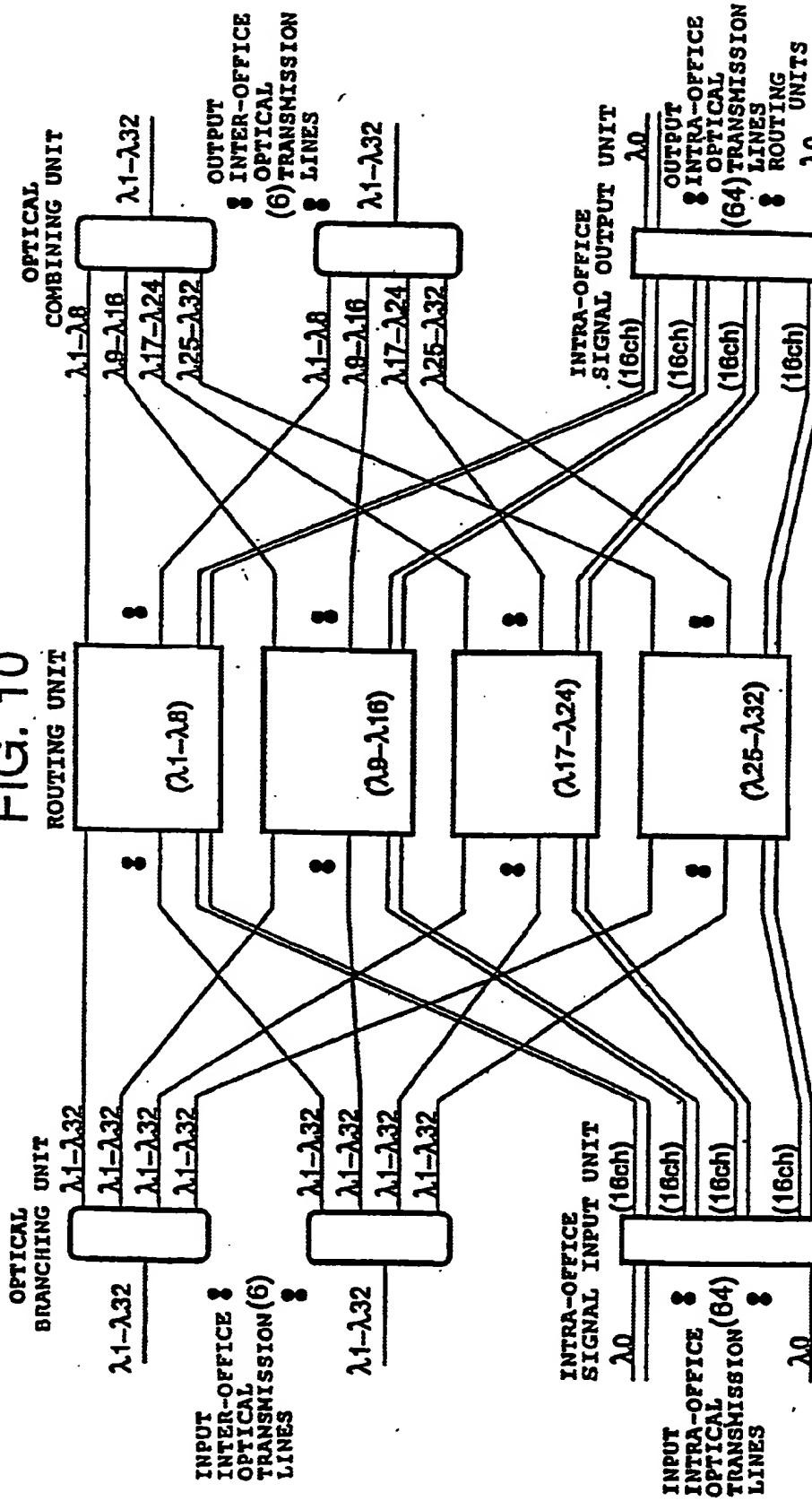
FIG. 7



※ SUBDIVIDED INTO "M" PIECES OF ROUTING UNITS
※ IN UNIT OF "N" WAVELENGTHS
※ PROVIDED WITH WAVELENGTH CONVERTER EACH OF THE RESPECTIVE

A circular black ink stamp. The outer ring contains the text "U. S. PATENT & TRADEMARK OFFICE" at the top and "WASHINGTON, D.C." at the bottom. In the center, the date "MAY 24 2004" is stamped diagonally, and above it is the file number "JC25".

FIG. 10



※ SUBDIVIDED BY 4 PIECES OF ROTATING UNITS IN UNIT OF 8 WAVELENGTHS
※ (WAVELENGTH NUMBER : 32)
※ INTER-OFFICE OPTICAL SIGNAL CHANNEL NUMBER : 192
※ INTRA-OFFICE OPTICAL SIGNAL CHANNEL NUMBER : 192



FIG. 11

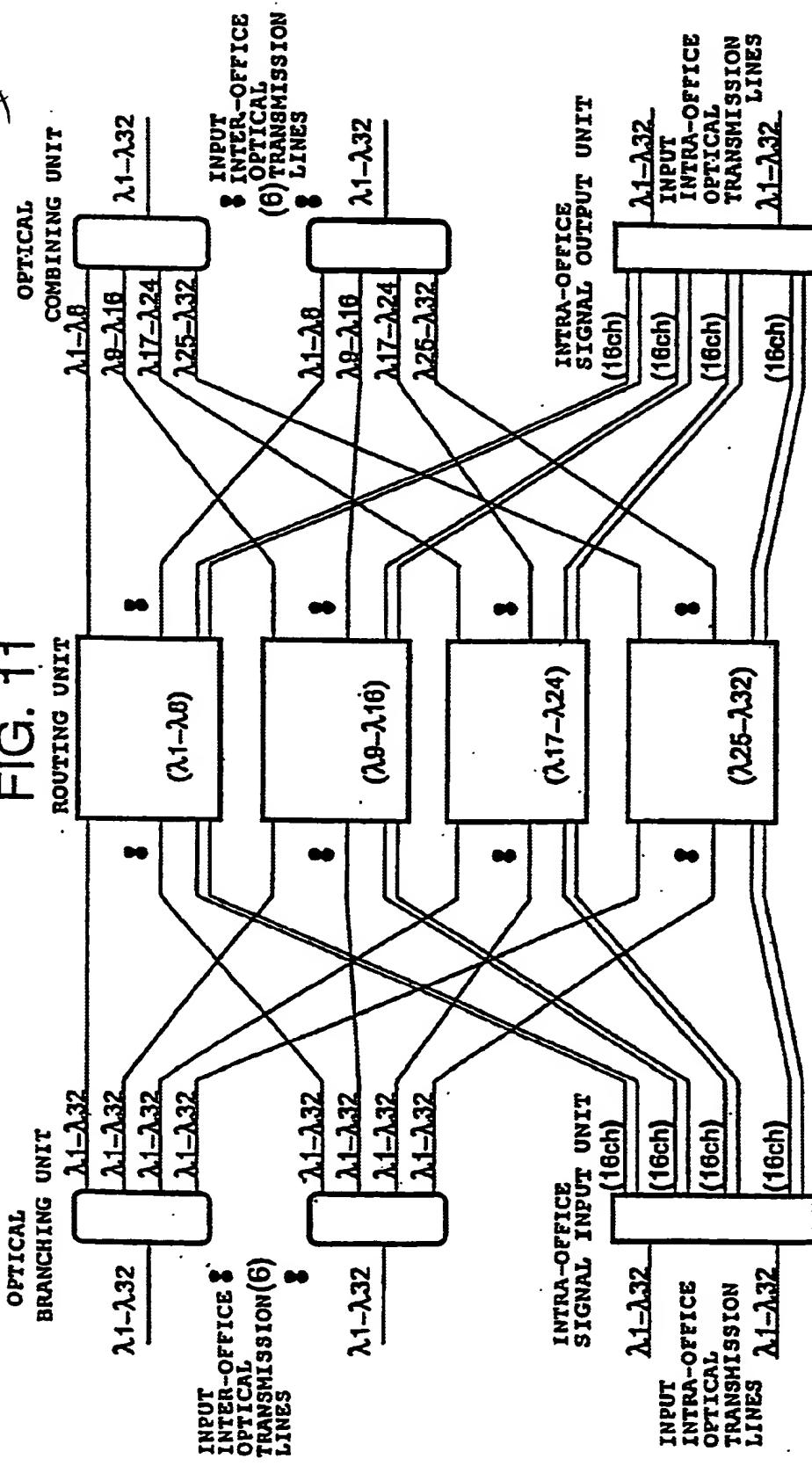
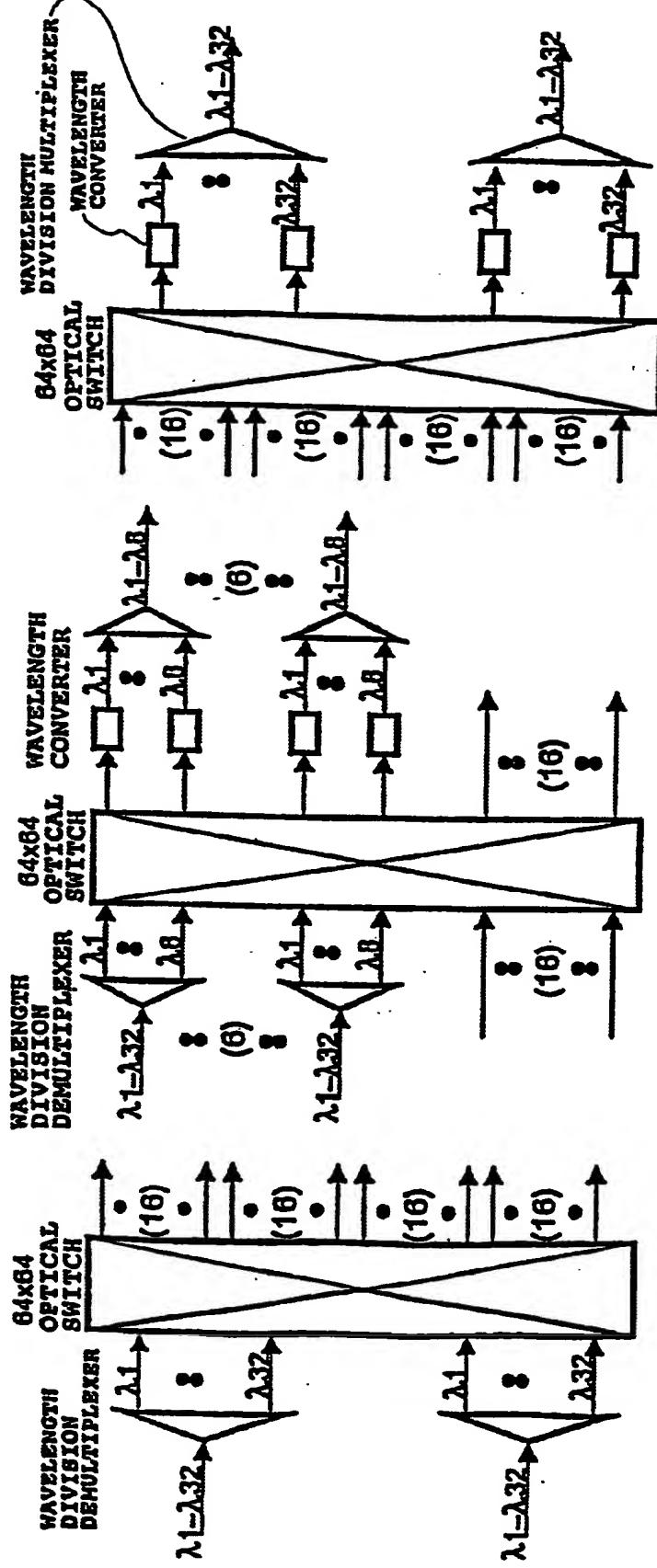




FIG. 15

※ ROUTING UNIT FOR λ₁ TO λ₈

(a) INTRA-OFFICE SIGNAL INPUT UNIT

(b) ROUTING UNIT

(c) INTRA-OFFICE SIGNAL OUTPUT UNIT